



NITFS Compliance Registration



Product: Operational Weather Squadron Production System Phase II,
Leading Environmental Analysis and Display System (LEADS),

Sponsor: Version 3.0.1

Developer: Air Force Weather Agency, Product Tailoring and Warfighter
Applications

Date: 07 May 2003

Expiration: 07 May 2005

Registration #: 1018

- ☒ Initial Registration
☐ Supplemental/Update #
☐ Derived from Reg. #

Information Processing Systems-MeteoStar®, Inc.

☐ System

N-0105/98, §4.1.1

☐ Product

N-0105/98, §4.1.2

☒ Component

N-0105/98, §4.1.3

NITFS Features Implemented:

Format

☒ NITF

☒ v2.1

☐ v2.0

☐ v1.1

☐ NSIF

☐ v1.0

Pixel Value Types

☐ Boolean

☒ Integer

☐ Signed Integer *

☐ IEEE Real *

☐ IEEE Complex *

Annotation Segment Types

☐ Bit Mapped **

☐ CGM, 2301

☐ CGM, 2301A

☐ Labels **

Text Segments

☒ STA

☐ UT1

☐ U8S

☐ MTF

Image Segment Types

☐ MONO

☐ RGB

☒ RGB/LUT

☐ YCbCr

☐ MULTI

☐ NODISPLY

☐ POLAR

Image Compression

☒ Not Compressed

☐ JPEG Lossy, 8-bit

☐ JPEG Lossy, 12-bit

☐ JPEG Downsampling

☐ JPEG Lossless

☐ JPEG 2000

☐ Bi-Level

☐ Vector Quantization

☐ Multispectral JPEG, Individual Band

Data Extension Segments

☐ TRE_OVERFLOW

☐ STREAMING_FILE_HEADER

☐ Controlled Extensions **

☐ Registered Extensions **

Tagged Record Extensions

☒ GEOPSB

☒ MAPLOB

☒ PRJPSB

Complexity Level							
NITF 2.1 CLEVEL		3	5	6	7		
Interpret							
Generate							
NITF 2.0 CLEVEL							
Interpret	1	2	3	4	5	6	Oth
Generate							

Configurations Tested:

Server: Dell Power Edge, Pentium III (MS Windows 2000)

Client: Dell Precision Workstation 650 (MS Windows 2000)

The OWS OPS II LEADS application is a weather specific product and does not have a general purpose NITFS capability.

Therefore, only NITFS Component compliance was evaluated.

The OWS OPS II LEADS interprets the DIGEST Tagged Record

Extensions (TRES) in NITF weather files when present.

Registration does not guarantee that a product will meet all users' requirements.

When a file is input without the TRES, the LEADS application adds the mapping projection data to orient

a product for the intended use. Optional NITFS features may not be implemented.

both the TRES and a Weather Projection Data single text

segment with the geospatial attributes.

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Executive Agent to National Imagery & Mapping Agency
for the NITFS Test and Evaluation Program